

EMBiid FIELD NOTES 1984
SPAIN, N. AFRICA, TURKEY
GREECE

1984 Embiid cultures

SPAIN N. AFRICA, TURKEY

c-1 SPAIN: 5 km SE Pozuelo de Calatrava 640 M

III-12-84 TL Embia fuentei. Rocky hill within sight of town (first hill S.E.). Very cold, clear day. Embiids immobilized in "nests" on under surface of stones, grass bases at stone edge. Very common. About 50 in culture. Scrub rocks in pasture slopes. Rocky = crystalline sandstone. Wheat on flats. embiids about half grown - overwintering stage.

c-2 SPAIN: 10 Mi NW Vico de Marquez⁺ 665 M III-12

^{2A} (near reservoir, shepherd + goats, photos). Scattered oaks (bush-like) on rocky hill pasture. Embiids common under stones prob = c-1 photos of webs. 2A may be miss-labelled.

c-3 SPAIN: 5 km SW Alaurin de la Torre III-12

Limestone hills with planted pines in magnesia. Embiids under stones + pine branches, often amongst pine needles - small culture

c-4 SPAIN: Sotogrande, Cadiz 100 M III-13

Stone in brush-land cleared for pasture. Damp. Embiids abundant. Many enclosed in "nests". Appears to be both sobri + ramburi about half grown.

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CAMPED III-15 in El Jadida
TAGHHAZOUT, AFRICA, N. MARS

Camped III-16 in Essaouira

Camped III-17 in Agadir

Night in hotel III-18 at Ourigane

Night in hotel III-19 at clfrane

C-5 MOROCCO: 3 mi S. Larache III-15 few Naploembia? under log in cork oak forest (raining too much to collect)

C-6 MOROCCO: 10 mi S. El Jadida, bluffs above new harbor 20M III-15 Magulus on limestone ledges prob Naploembia common under stones.

C-7 MOROCCO: 12 mi N. Safi, Cliff top above sea. ^{200M} Lime rocks on sandy, grassy soil along road. Prob. Naploembia III-16

C-8 MOROCCO: 12 mi E. Essaouira 235 M III-16 Overgrazed, dry slope with Juniper clumps Embria n. sp.? common under stones, good culture More gregarious than Naploembia Almost dark.

C-9 MOROCCO: 13 mi S. ESSAOURIA 100M III-17 Naploembia? under limestone on sand scattered native trees.

C-10 MOROCCO: Near TAGHAZOUT 20-100M III-17 Embria (N. of Agadir) n. sp. few. Under stones in very dry coastal scrub. Numerous Euphorbia + junipers

C-11 MOROCCO: OUIRGANE 990M Naploembia? under stones in Juniper area (natural) III-19 few individuals collected here in 1981

C-12 MOROCCO: 25 km NE. KASBAH ~~TADLA~~ TADLA 750 M III-19-84 few Naploembia? under stones at base of shrubs near limestone ledges in pasture land. Big galleries

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Night of III-20 at VOLUBILIS

C-13 MOROCCO: LIXUS (ROMAN RUINS) near Larache
Under old building stones on hill tops near old
walls windswept pasture 100M Hoplomobia?

Nights of III-21-22-23
at Sotogrande

ALGERIA: 6 MI. W. SABRA III-30-84 465 M

Ungrazed open spaces with scrub live oak +
junipers, shrubs under numerous limestone rocks
esp. in semi-shade of thickets. Scanty rain but
slightly damp under stones (shepherd boy with asparagus)
Small Emilia and possibly Hoplomobia.

ALGERIA: 10 MI. E. HASSI - FEDOUL 800M

2-IV-84 Mauritania Group. Open flat desert
Nomad tents. High wind from S, sleet
Numerous stones, chewed plant stubs. Large webs
under stones, esp. on under surfaces. Many $\frac{1}{2}$ grown
nymphs in a single colony. Depend on plant
debris blown under stones.

ALGERIA: just below BOGHAR

2-IV-84 Rocky (sandstone) pasture + ravines
little rain. Lucasii under stones - 1 nymph per
web. In grass bases at edges. About 30
 $\frac{1}{2}$ grown nymphs.

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A second colony culture contains mostly mauritanica all from one colony (about 20 half grown nymphs in a web labyrinth. Some lucasi mixed in.

ALGERIA: 3 MI. N. KSAR EL BOUKHARI

722 M 2-IV-84 Prob lucasi

Large nymphs under stones in green grass at edge of RR - 1 per web.

Very near Boghar saw 1 O. fuscum

ALGERIA: 3 MI. S. BOUSKÈNE 1010 M

2-IV-84 Mixed "lucasi" and "mauritanica" on wind-swept ridge, open grassland lucasi - one per web. mauritanica many in a labyrinth web under one stone

ALGERIA: OULED M'SALEM, 10 MI NE
SIDI AISSA 790 M 2-IV-84 Mostly uniform brown Embia almost mature. One per web, rather rare (could be ramburi). Rolling, rocky hills, barren, overgrazed areas between wheat fields. Supposed type loc. of Embia silvestrii Davis

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ALGERIA: OULED M'SALEM 1070 M

17 MI. NE SIDI AISSA IV-2-84

Rocky meadows in pine zone. Gregarious
Embia under stones about half grown

DITTO but at 1115 M 20 MI. NE S.A.

Several lots of small Embia, gregarious

ALGERIA: 27 MI. N. M'SILA 2-IV-84

Flat stones on bluffs, over grazed. A few
Ramburi? and small "mauritania"

ALGERIA: Just N of OUM EL BOAGHI
890 M 3-IV-84 Limestone ridge planted
with pines. "Maurit" under stones on grass
gregarious webs - photo. Some late
pennell of Hyd. A-11

ALGERIA: 11.5 mi S. AIN BEIDA

3-IV-84 Ridges with natural pine forest
"Maurit" in gregarious web under stones on
open hill. About half grown

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TUNISIA: VICINITY OF BOU AMARIN 390 M
10 MI NE EL GUETTAR (NR GAFSA) 4-IV-84

Rocky hills, limestone scattered agave (olive)
rare rain flowers sparsely. Embriids rare 1 small
web per stone adult ♂s resting in short webs under
edge of stone. *Lycosoides* ♂ & ♀ a. sp. A few
females captured with 1 ♂. Foraging webs go up
sides of stone to feed on lichen crust. Webs
of last year broad large & present. This
is an isolated area.

TUNISIA: MAKNASSY 200 M +- 5-IV-84

In town on side street very wet after
heavy rain. Apt. ♂♂ and ♀♀ (small culture)
under stones and garbage (concrete chunks)
near wall. No native stones in town.
Same as Bou Amarin species.

Same embiid (none collected) on rocky hills
about 10 mi E.

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SICILY: SEGESTA 8-IV-84

1-2 spp under limestone (ruins) in
shrub-grass area cold, windy, many embiids
still in winter webs. Wet season. One
sp. large, robust other (?) tiny, pale.
Often under some stones or ant nests.

SICILY: ABOVE CASTELAMARE (just S.)

8-IV-84

Embiids under limestone rocks in pasture
and amongst olive trees. from edge of
stones.

SICILY: 6 MI. S.W. CALTANISSETA 400 m

10-IV-84 Haplo. under stones scattered beneath
Eucalyptus and at edge of native flora (by RR.)
Ophyse here. Webs in dead grass and E. leaves
 $\frac{1}{3}$ grown reddish tan

SICILY: 3 MI. NW CALASCIBETTA 450 m

(near Enna) 10-IV-84 Haplo under flat stones
semi-shade and open in grass full S. exposure
Numerous $\frac{1}{3}$ grown + smaller, reddish-tan
Seems to be same as above

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SICILY: TAORMINA 800M 11-IV-84
360M

Few Haplo? under short stones in native
scrub on ridge above town

S. ITALY: NE GRIMALDI 135 M 13-IV-84

Haplo? under small stones beneath oaks in
small valley in rugged mtns. Very wet

GREECE: 3 MI. SW TRAPEZA 15-IV-84

on rd to Kalavrita

Haplo? under stones in grass near magnis
Olives, etc.

GREECE: S. Base Mt PARNIS (N. of Athens)

450 M 16-IV-84 Emilia or large Haplo

rare under stones in Magnis with pine
plantations. 1 embiid per web.

Same but at 1000M, glades in scrubby fir
forest. above sp.? under stones - esp. small
ones - on sunny slopes. 1 embiid per web

GREECE: 6 MI NE STENO (20 MI. E. TRIPOLI)

PELOPONNESSOS, 600 M 19-IV-84 Stones on open

hillside below monastery. Limestone low shrubs

Emilia? some small, black, banded. in webs at
edge of stone 1 per web very wet.

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GREECE: Below castle, MISTRAS 475M 20-IV-84

A few similar to Steno lot under stones in
weedy olive grove. Took long shots of place, snowy
mtns in background.

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TURKEY

16 MI. W KALE 500M 21-V-84

Open groves of gray-leaved oaks in flats in
midst of maquis (scrub oak madrone etc.).
Soil reddish, cracks. Dry, big webs radiate on
soil surface from edge of stone. 2 sp. Hypol
excavated about 3" down. One larger black with
purple-black membranes, no bands; other paler
& banded. Several adult ♀ 1 adult ♂

ARIF

21-V Rugged mtns with native
pines on winter slopes, scrub on ^{facing} ~~west~~ slopes
3 banded ♀ collected in large webs in dry soil
beneath limestone rocks on steep, open pasture
slope. Possible solieri as well.

10 MI N.W. FETHIYE 20 M 20-V

A few banded adult ♀ under rocks in semi
shade of pines in steep ravine above beach
in National Pk. Dry.

4 MI N.W. PINARICK (sw side of lake)
Campground nearby. Hypol solieri? under stone
in dry oak woodland 19-V

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10 mi S. TROY 16-V

solieri? under stones near pines ~~had~~ semi-shade. Magpies across road. Cistus in bloom. Very dry

Acropolis of PERGAMON 17-V

A few Haydo, one banded under stones in ruins. Very dry but were common

FETHIYE 30 M 20-V

cleared, grassy, steep slope below large Lycaian grave on cliff. Huge webs on ground surface, covered with plant debris in full afternoon sun. Lead to subterranean burrows. Stones not essential. Large all black & cultured. 1 adult ♂ collected